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NEW PRODUCT CATALOG

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the shape of music.



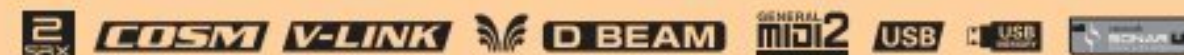
2008 Vol.3

A New Synth Star for the Stage

Designed from the ground up for live performers, JUNO-STAGE is a new breed of synthesizer that every gigging keyboardist will love. Decked out with an extra-large display, USB backing-track functionality, a Click output for drummers, dedicated performance knobs, hands-free patch select, instant master MIDI control functionality, and much more, JUNO-STAGE sets a new standard for powerful onstage performance at a friendly price.

- High-quality, versatile sound set, including 88-key stereo multi-sampled piano plus dual SRX expansion bay
- Newly developed 76-note keyboard with first-class touch and response
- Live-performance features such as an extra-large LCD, dedicated Reverb and Master EQ knobs, Click Output for drummers, and hands-free patch-select footswitches

- USB port enables accompaniment-track playback (MP3, WAV, AIFF, SMF) directly from USB key
- Phantom powered mic input plus reverb, great for playing and singing along
- MIDI Controller mode transforms JUNO-STAGE into a MIDI master keyboard with a single touch



Versatile, Expandable Sound Set

Carefully crafted for the stage, JUNO-STAGE's factory patch set covers a wide range of essential sounds, including the flagship 88-key stereo multi-sampled piano. Every JUNO-STAGE can also be expanded and customized via two Roland SRX Wave Expansion Boards (sold separately).

Instant Access to Sounds

Onstage, you need quick and effortless access to your patches. JUNO-STAGE is equipped with FAVORITE buttons for instant access to banks of your most-needed sounds. Best of all, you can also recall your patches via a dual footswitch* connected to a dedicated Patch Select jack, so you never have to take your hands off the keyboard.



*Connect an optional FS-6 dual footswitch to scroll up or down through patches and performances.

Live-Performance Control

Roland optimized JUNO-STAGE's controllers for live performance, featuring easy-to-grab knobs for instant Master EQ and Reverb control. Located above the pitch bender, two assignable switches can be used for rotary organ effects, portamento on/off, and more.



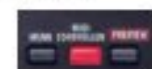
Backing Tracks Via USB

JUNO-STAGE is equipped with a USB port and Song Player function that enables direct playback and control of backing tracks from a USB key. You can play MP3, WAV, AIFF, and SMF files, and even use the Center Cancel feature to minimize pre-recorded vocals of audio data for karaoke-style performance. Creating and editing audio Playlists is simple with the supplied Playlist Editor software for PC; the playlist can be viewed on JUNO-STAGE's display.



Instant Master MIDI Control

The fast and friendly MIDI Controller mode, complete with dedicated buttons, transforms JUNO-STAGE into a MIDI master keyboard. In this mode, JUNO-STAGE allows program and control changes to be sent with a single touch. For computer-based track making, Cakewalk's SONAR LE software for PC is bundled.



Stage-Friendly Bonus Features

JUNO-STAGE is packed with great features for live performance, such as an XLR mic input with phantom power (ideal vocal sing-along performance or driving the built-in vocoder), Click Output (for sending an audible click track to bandmates onstage), and an external input for a portable audio player.



■ Rear Panel

The World in a Workstation

The GW-8 is the next generation of Roland's unique GW-series workstations with intelligent backing-track functionality. With its fresh, contemporary sound-set and expressive musical styles from pop to rock, plus authentic ethnic styles and a multi-format USB Memory Player feature, the GW-8 will bring a world of music to your fingertips. It's especially well suited for "one-man-band" performance.



- Contemporary music workstation with high-quality 128-voice sound engine derived from Roland's renowned sound-module lineup
- Wide variety of contemporary sounds and intelligent backing styles, plus additional banks of ethnic sounds and styles from around the world
- USB Memory Player feature allows direct playback of MP3, WAV, AIFF, and SMF files from USB key; Center Cancel feature for audio files enables karaoke-style sing-along
- Newly designed graphical display, plus Style Select button, Analog Modify knob, and D BEAM
- Style Converter and Playlist Editor software included
- Onboard 16-track sequencer for saving your interactive performances



Flagship Sound Engine with Easy User Interface

With Roland's world-leading sound technology at its core, the GW-8 rivals any workstation on the planet with its rich, expressive sound. The GW-8 comes loaded with hundreds of the freshest and most essential sounds culled from Roland's top sound modules. In addition to its authentic sound set, the GW-8 is equipped with many user-friendly control devices, such as the expressive D BEAM and the Analog Modify knob, which instantly adjusts sounds to suit your taste. The GW-8 is perfect for live entertainers who play multiple roles in their performances.



Intelligent Backing Styles

The GW-8 is packed with a huge collection of styles, representing a broad range of music genres, from contemporary rock, pop, dance, jazz and beyond. In addition to the excellent library of contemporary sounds and styles, the GW-8 is equipped with ethnic instrument sounds and authentic regional musical styles.* Each backing style has four intros, four main patterns, and four ending progressions for you to craft your own arrangements live.

*Style selection may vary from country to country. For details, please inquire your local Roland distributor.

USB Memory Player Feature

One of Roland's most popular new features is built into the GW-8: the Multi-format Song Player that allows song data to be played directly from USB Flash memory (accepts MP3, WAV, AIFF, and SMF format). In addition, the GW-8's Center Cancel function can minimize main vocals from pre-recorded songs, great for karaoke-style performances or music practice.



Style Converter & Playlist Editor

Bundled with each GW-8 is Roland's Style Converter software for PC, which lets you convert your own MIDI data into GW-8 backing styles via commercially available USB Flash memory devices. Also included is the Playlist Editor for customizing the order of songs. Users can easily create a dedicated Playlist for each gig.



■ Rear Panel

Expanded for Extra Expression



With V-Drums in constant demand around the world, Roland proudly offers drummers another option in its award-winning lineup. The new TD-12KV builds on the popular TD-12 kit by adding an additional V-Cymbal and mount, making it an amazing value that provides drummers even more expressive potential.

- Popular TD-12 kit enhanced with a second crash cymbal (CY-12R/C) and cymbal mount (MDY-10U)
- Perfect for practice, with expressive sounds, quiet and natural-feel mesh heads, preset backing patterns, built-in metronome, mix input, headphone output
- Great for live, with instant drum kit switching with Chain function, bright and big LCD, large buttons, four outputs, sturdy metal chassis and drum stand
- Ideal for recording since less equipment is necessary - no mics, drum isolation booths, extra drums needed for different sounds

TD-12KV-BK

TD-12KV

V-Drums V-Stage Series



TD-12KV-WH

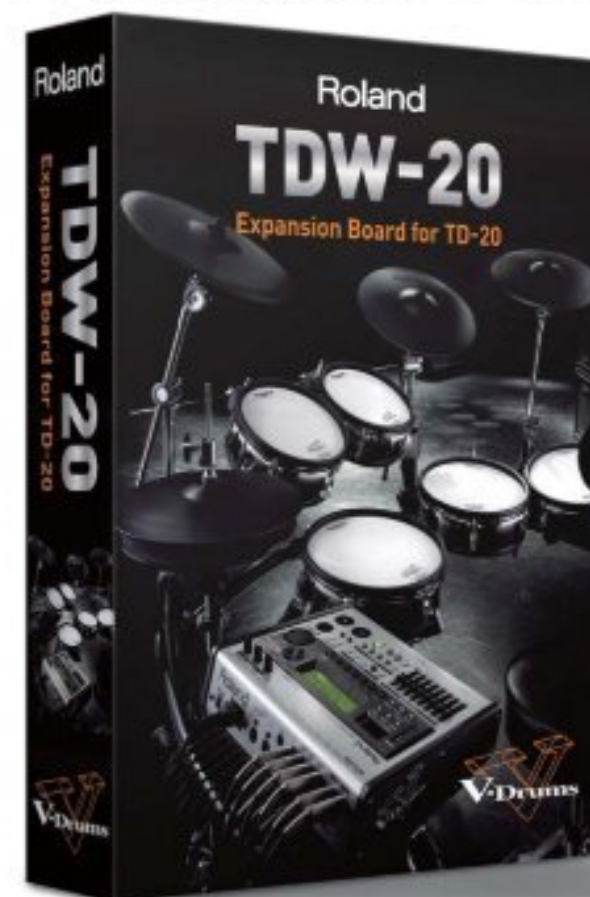


TD-12KV

TD-12	Percussion Sound Module	x 1
PD-105BK/WT	V-Pad (SNARE)	x 1
PD-85BK/WT	V-Pad (TOM 1-TOM 3)	x 3
VH-11	V-Hi-Hat	x 1
CY-12R/C	V-Cymbal Ride/Crash	x 3
KD-85BK/WT	V-Kick Trigger Pad	x 1
MDY-10U	Cymbal Mount	x 1
MDS-12BK	Drum Stand (Option)	x 1

*Drum stand, kick drum pedal, and hi-hat stand not included and shown only for photography purposes. Connection cables are partially hidden for photography purposes.

Enhanced Playability, New Sounds, Ambience Effects, and V-Edit for the TD-20



The TD-20 V-Pro kit has reigned supreme. Today the best gets even better with the debut of the TDW-20 expansion board, which raises the power of the TD-20 with enhanced expressiveness, punchy new sounds, rich ambience effects, new V-Edit parameters, and an improved user interface for quick and flexible drum customization.

- Provides wider drum dynamics and smoother sound control on the hi-hat
- Expands the TD-20 with over 300 new sounds
- New ambience-type choices that are optimized for drums



New smooth-sounding ambience types



New Kit Resonance reproduces how the kick resonates the entire drum kit

- Enhanced V-Editing with improved snare buzz, new mic-size parameter for the kick, and new Kit Resonance to adjust how the kick affects the total resonance of the entire kit
- Easy to install



Tambourine for the snare



More mic positions and new mic size parameter for the kick

A Revolution in Marching Percussion

A revolutionary instrument for marching percussion, the new RMP-12 brings an exciting new dimension of portable sound and expression. With its tension adjustable mesh drum head and integrated V-Drums® sound module loaded with hundreds of instantly-selectable instruments and sound effects, the RMP-12 offers expression and versatility that acoustic percussion can't match.

- 12-inch mesh pad with rim triggering
- Newly designed module with a variety of sounds
- A reliable Live Mode to focus on your marching performance
- Built-in Rhythm Coach for skill building
- Lightweight and portable with battery power
- Mix input and audio output for personal and professional use
- Headphone output for quiet practice
- Easily attaches to standard marching carriers (via optional OP-RMP12) and snare stands



Mesh-Head Comfort

The RMP-12's patented mesh head provides low acoustic noise, high durability, and unsurpassed comfort. Head tension can be adjusted via drum key, just like an acoustic drum, for the perfect stick response. The head is also replaceable, like an acoustic drum.

World of Sound

The RMP-12 offers high-quality marching snares, toms, bass drums, cymbals, and other drums and percussion instruments. It also contains a variety of Latin percussion as well as electronic sounds. The four memory buttons let you store your favorite sounds and call them up instantly during your performance.

Rhythm Coach Onboard

The Rhythm Coach helps you build speed, stamina, and accuracy. Even if you're not in the Rhythm Coach mode, you can practice with the Time Check whenever you start the metronome. The Time Check Score, which grades accuracy, is one of the menus in the Rhythm Coach. Other effective exercises include the Auto Up/Down, which gradually speeds up and slows down the metronome, and the DynaMeter, which shows your stroke dynamics on the screen.

Marching Percussion

Perfect for extended wear, the RMP-12 is lightweight and battery-powered. It can be attached to standard marching drum carriers for wireless transmission*, allowing you to freely move around during your performance. For practice, mount the RMP-12 to a concert snare stand and use the Roland CUBE Street amplifier to monitor or simply connect headphones for quiet practice.

*Commercial wireless systems sold separately



* Snare stand sold separately.

OP-RMP12 Marching Carrier Attachment

Wear the RMP-12 Like a Marching Drum

- Attaches RMP-12 to standard marching drum carriers
- Attaches RMP-12 with one quick action
- Securely locks the RMP-12 for a solid performance
- Angle is adjustable vertically
- Allows the RMP-12 to be folded toward the player



* Marching drum carrier sold separately.

RMP-5 Rhythm Coach

Advanced Skill Builder for Drummers

A new approach to rhythm training — the RMP-5 provides over 50 high-quality sounds, mesh-head comfort, advanced Rhythm Coach training, dual-pad input, and much more. Perfect for first timers and pros alike.



High-Quality Connectivity with Pro-Studio Extras

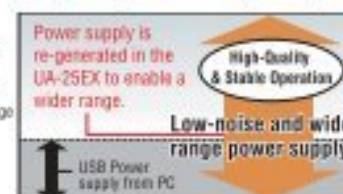
Rugged, compact, and feature filled, the new UA-25EX is a portable-interface powerhouse. Ideal for computer-based audio engineers who appreciate mobility, this 24-bit/96 kHz USB audio interface is equipped with pro-grade microphone preamps, a newly developed analog compressor/limiter, and ground-lift functionality for studio and stage.

- High-resolution 24-bit/96kHz performance with newly developed mic preamps and analog compressor/limiter
- USB bus powered, low-noise, wide-range power supply
- Two mic preamps and XLR/TRS combo jacks with 48V phantom power, Hi-Z port for guitar-direct connection, S/PDIF optical I/O, MIDI in/out
- Ground lift for studio and live stage use
- Bundled with *Production Plus Pack* from Cakewalk By Roland

USB FPT Cakewalk

High-Resolution Performance

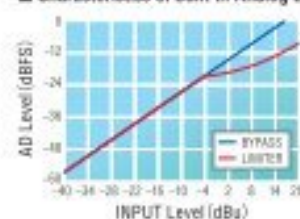
Don't let its compact frame fool you — the UA-25EX is a full-featured, professional audio interface with extras you wouldn't expect in its size and price class. It's capable of handling audio at 24-bit/96kHz resolution, and boasts newly developed high-end mic preamps, plus pro-quality balanced audio inputs and outputs, and an integrated low-noise, wide-range power supply.



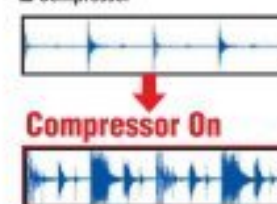
Analog Compression & Limiting

The UA-25EX features a newly developed analog compressor with variable attack times and threshold control for smooth capture of vocals or dynamic instruments. The accompanying limiter prevents input clipping from occurring so you'll never lose those perfect takes.

■ Characteristics of built-in Analog Limiter



■ Compressor



Pro-Quality Shielding with Ground Lift

With its high-grade aluminum chassis, the UA-25EX can withstand hard impacts, and is shielded against high-frequency interference from other electrical components. Should a ground loop occur, the new ground-lift function eliminates the noise by disconnecting the sleeve pin of the master output from the earth ground.



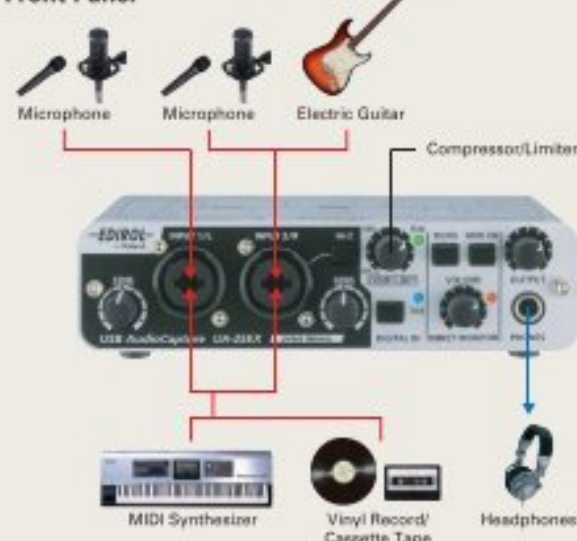
Bundled Software

Included with the UA-25EX is the *Production Plus Pack* from Cakewalk By Roland, a feature-rich recording software bundle consisting of SONAR LE, Project 5 LE, and Dimension LE for PC-based recording. The CD-ROM also includes the latest ASIO, WDM, and MME drivers for Windows XP and Vista (32-bit versions), plus CoreAudio.

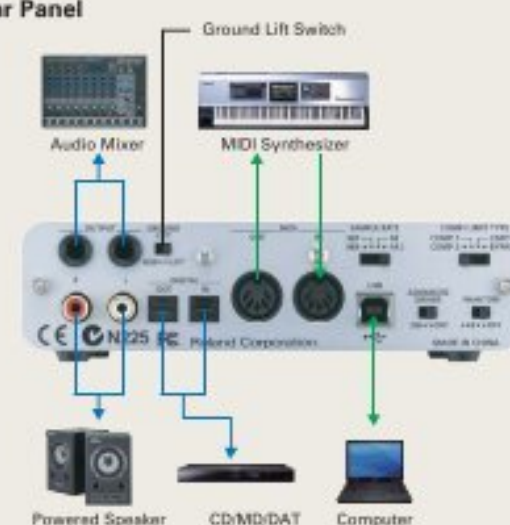


Setup Example

■ Front Panel



■ Rear Panel



DM-512FG

512MB Expansion DIMM
Memory for Fantom-G

Roland®



Significantly Increase Fantom-G Recording Time

Roland's flagship Fantom-G workstation comes standard with 32MB of internal memory, providing three minutes of stereo sampling/recording time. With the user-installable DM-512FG DIMM memory expander, recording time is increased to an impressive 54 minutes!

Specifications

JUNO-STAGE 128 Voice Expandable Synthesizer with Song Player



P.2-3

Keyboard	76 keys (with velocity)	Dimensions	1,251 (W) x 344 (D) x 112 (H) mm / 49-1/4 (W) x 13-9/16 (D) x 4-7/16 (H) inches
Sound Generator	● Maximum Polyphony 128 voices ● Parts 16 parts ● Wave Memory 128MB (16-bit linear equivalent) ● Preset Memory Patches: 1027 + 256 (GM2), Rhythm Sets: 32 + 9 (GM2), Performances: 64 ● User Memory Patches: 256, Rhythm Sets: 32, Performances: 64 ● Effects MFX: 3 systems, 79 types, Chorus: 3 types, Reverb: 5 types, Mic Input Reverb: 8 types	Weight	9.8 kg / 21 lbs 10 oz (excluding AC Adaptor)
Song Player	● File Format SMF: format-0/1 Audio File: WAV/AIFF/MP3	Accessories	Owner's Manual, CD-ROM x 2 (Editor/Librarian/USB MIDI driver, SONAR LE), Music Player Pad, Music Player Cable, USB Memory Protector, AC Adaptor
Other	● Arpeggiator Preset: 128, User: 128 ● Rhythm Pattern Preset: 256 (26 groups), User: 256 (32 groups) ● Chord Memory Preset: 64, User: 64 ● Controllers D BEAM Controller, Pitch Bend/Modulation Lever, S1/S2 Switches, Sound Modify Knob x 7 ● Display 240 x 64 dots graphic LCD (with backlight) ● Expansion Slots SRX expansion board: 2 slot ● External Storage Device USB MEMORY (supports USB 2.0 Hi-Speed Flash Memory) ● Connectors Headphone Jack, Song/Click Out Jack, Output Jacks IL (MONO), RI: 1/4 inch phone type, Mic Input Jack: 1/4 inch phone type or XLR type (phantom power), MIDI Connectors (IN, OUT), Hold Pedal Jack, Control Pedal Jack, Patch Select Jack, USB Connector (MIDI) ● Power Supply DC 9 V (AC Adaptor) ● Current draw 2,000 mA	Options	Wave Expansion Board: SRX Series, Keyboard Stand: KS-12, Pedal Switch: DP series, Foot Switch: BOSS FS-6U/FS-6, Expression Pedal: EV-5, Connection Cord: PCS-31, USB Memory: M-UF1G

GW-8 Workstation



P.4-5

Keyboard	61 keys (with velocity)	Other	● Controllers D BEAM Controller x 1, Pitch Bend/Modulation Lever x 1, Control Knobs x 2 ● USB (MIDI) Operating System Windows: XP Home SP2 or later/Windows XP Professional SP2 or later/Windows Vista* This does not work with the 64-bit Edition of Windows Vista. ● Display 240 x 64 dots white graphic LCD ● Connectors Output Jacks (L/MONO, R), Ext Input Jack, Headphones Jack, MIDI Connectors (IN, OUT), Hold Pedal Jack, Control Pedal Jack, USB Connectors: COMPUTER (supports USB MIDI) / MEMORY (supports USB 2.0 Hi-Speed Flash Memory) ● Power Supply DC 9 V (AC Adaptor) ● Current Draw 1,000 mA
Sound Generator	● Maximum Polyphony 128 voices ● Parts 16 parts + Keyboard part ● Wave Memory 256MB (16-bit linear equivalent) ● Preset Memory Performances: 128, Tones: 896 + 256 (GM2) + World, Rhythm Sets: 32 + 9 (GM2) + World ● User Memory Performances: 128, Favorite Performances: 100, Favorite Tones: 100 ● Effects MFX: Upper and Lower / 78 types, Chorus: 3 types, Reverb: 5 types	Dimensions	1,045 (W) x 318 (D) x 102 (H) mm / 41-3/16 x 12-5/16 x 4-1/16 inches
Backing Track	● Backing type Style, Song, USB Memory Player ● Tempo (MIDI) 20 to 250 ● Style Variations 4 Intro, 4 Main, 4 Ending, 4 Fill In, Sync Start, Stop, One Touch Setting ● Song (16-track Recorder) 16-track, Rec mode (Mix, Replace), Count in, Punch In-Out, Input Quantize ● USB Memory Player 999 songs, SMF: format-0/1, Audio File: WAV/AIFF/MP3 ● Preset Memory Styles: 130 + World ● User Memory Styles: 100, Songs: 200	Weight	6.0 kg / 13 lbs 4 oz (excluding AC adaptor)
		Accessories	Owner's Manual, CD-ROM, (Style Converter 3.0, Playlist Editor), AC Adaptor (PSB-1U), Music Player Pad, USB Memory Protector

V-Stage® Series V-Drums®



P.6

Trigger Input Jacks	12 inputs: 10 standard inputs for included pads, 2 extra inputs for optional pads (AUX1-2)	Dimensions	1,450 (W) x 1,200 (D) x 1,250 (H) mm / 57-1/8 (W) x 47-1/4 (D) x 49-1/4 (H) inches (including Sound Module, Kick Trigger, Cymbal, and Throne)
Hi-Hat Control input	1 input	Weight	20.9kg / 46 lbs 2 oz (excluding MDS-12BK Stand, Kick Pedal, and Hi-Hat Stand)
Available Playing Expressions	Head/Rim Shot, Bow/Edge Shot, Cymbal Choke, Hi-Hat Control (Open-Close, Pedal Close/Open), Ride 3 way trigger compatible (Bow/Bell/Edge Shot), Position Sensing (Snare, Tom, Ride), Cross Sticks (Snare), Interval Control (Snare, Crash, Ride), Brush Sweep (Snare)	Options	Personal Drum Monitor: PM-30/PM-10, V-Drums Mat: TDM-20

* Kick drum pedal, Drum stand, and hi-hat stand not included.

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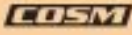
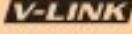
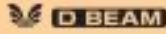
RMP-12 Marching Percussion		 P.8-9	
Pad	● Head Size 12 inches ● Trigger 2 (Head, Rim)	Connectors	Headphone Jack (Stereo miniature phone type), Mix In Jack (Stereo miniature phone type), Output Jack (1/4 inch phone type), Trigger Input Jack (1/4 inch TRS phone type), AC Adaptor Jack
Instruments	128	Other	● Power Supply DC 9 V: Dry battery LR6 (AA) type (alkaline) x 6 or AC Adaptor (PSB-1U: optional) ● Current Draw 220 mA * Expected battery life under continuous use: Alkaline: 8 hours (These figures will vary depending on the actual conditions of use.)
Instrument Parameters	Tuning, Volume	Dimensions	347.5 (W) x 416 (D) x 193.8 (H) mm / 13-11/16 (W) x 16-7/16 (D) x 7-11/16 (H) inches
Memory Bank	4	Weight	3.7 kg / 8 lbs 3 oz (including battery)
Metronome	Tempo: 20-300, Beat: 0-13, Rhythm Types: 5 types, Click Sounds: 7 types, Timer Function, Time Check Function	Accessories	Owner's Manual, Dry battery LR6 (AA) type (alkaline) x 6, Drum Key, Cable Tie, Application Guide DVD
Rhythm Coach Functions	Time Check Score, Speed Check, Rhythmic Notes, Auto Up/Down, Dynamic Meter, Tap Tempo	Options	AC Adaptor: PSB-1U, Mesh Replacement Head: MH-12, Marching Carrier Attachment: OP-RMP12
Display	Custom Display		

RMP-5 Rhythm Coach		 P.9	
Basic Functions	● Pad Size 8 inches ● Pad Sounds 54 types ● Tempo 20-300 ● Click Sounds 15 types ● Rhythm Types 24 types ● Patterns 22 types ● Beat 24 types	Other	● Power Supply DC 9 V: Dry Battery 6LR61/1604A (9 V) type (alkaline), or AC Adaptor ● Current Draw 80 mA * Expected battery life under continuous use: Carbon: 1 hour / Alkaline: 4 hours (These figures will vary depending on the actual conditions of use.) ● Stand Screw Size M8
Rhythm Coach Functions	TIME CHECK (8 variations), ACCURACY SCORE (4 variations), QUIET COUNT (6 variations), AUTO UP/DOWN (6 variations), RHYTHMIC NOTES (3 variations), STROKE BALANCE (2 variations)	Dimensions	263 (W) x 348 (D) x 78 (H) mm / 10-3/8 (W) x 13-3/4 (D) x 3-1/8 (H) inches
Connectors	PHONES/OUTPUT Jack: 1 (Stereo miniature phone type), AC Adaptor Jack, MIX IN Jack: 1 (Miniature phone type), EXT TRIG IN Jack: 1 (Dual) * Using the PCS-31L, you can connect two pads. In that case, the rim shot, edge shot, and choking features are unavailable.	Weight	1.3 kg / 2 lbs 14 oz (including a battery)
		Accessories	Dry Battery 6LR61/1604A (9 V) type (alkaline), Drum Key, Owner's Manual
		Options	AC Adaptor: BOSS PSA series, Pad Stand: PDS-2, Pad Cable: PCS-31L, Pads (PDX-8, PD-8, PD-85BK/WT, PD-105BK/WT, PD-125BK/WT), Cymbals (CY-5, CY-8, CY-12R/C, CY-14C, CY-15R), Kick Triggers (KD-8, KD-7, KD-85BK/WT, KD-120BK/WT), Drum Triggers (RT-10T, RT-10S, RT-10K)

UA-25EX 24-bit USB Audio Capture		 P.10-11	
Number of Audio Record/ Playback Channels	● Record 1 pair of stereo ● Playback 1 pair of stereo ● DIGITAL IN SWITCH OFF Full duplex (except for 96 kHz setting) ● DIGITAL IN SWITCH ON Recording only	Residual Noise Level	● Output Jack -96 dBu (S/N ratio: 105 dB) (input terminated with 1 k Ω, OUTPUT VOLUME: max., INPUT MONITOR: min., IHF-A, typ.)
Signal Processing	● PC interface 24 bits (ADVANCE SWITCH=OFF: 16 bits) ● AD/DA Conversion 24 bits (linear)	Mic Preamp	PHANTOM POWER 48 V, ANALOG LIMITER/COMPRESSOR
Sampling Frequency	● Digital Output 44.1/48/96 kHz ● Digital Input 44.1/48/96 kHz ● AD/DA Conversion 44.1/48/96 kHz * ADVANCE SWITCH=OFF: 44.1 kHz only	Connectors	● Front Panel ● Input Jack L, R XLR type (balanced, phantom power +48 V), 1/4 inch TRS phone type (balanced) * Input Jack R: high impedance is supported ● Headphone Jack Stereo 1/4 inch phone type ● Rear Panel ● Digital Input Connector Optical type ● Digital Output Connector Optical type ● Output Jack L, R 1/4 inch TRS phone type (balanced), RCA phono type ● MIDI Connectors IN/OUT ● USB Connector B type
Frequency Response	96.0 kHz: 20 Hz to 40 kHz (+0 dB/-2 dB), 48.0 kHz: 20 Hz to 22 kHz (+0 dB/-1 dB), 44.1 kHz: 20 Hz to 20 kHz (+0 dB/-1 dB)	Other	● Power Supply USB Bus Power ● Current Draw 480 mA
Nominal Input Level	● Input Jack L, R (XLR type) -60 to -20 dBu ● Input Jack L, R (1/4 inch TRS phone type) -36 to +4 dBu * Maximum Input level : Nominal Input Level + 12 dB	Dimensions	164 (W) x 133 (D) x 46 (H) mm / 6-1/2 (W) x 5-1/4 (D) x 1-13/16 (H) inches
Nominal Output Level	● Output Jack L, R (1/4 inch TRS phone type) +4 dBu (balanced) ● Output Jack L, R (RCA phono type) -2 dBu * Maximum Output level : Nominal Output Level + 12 dB	Weight	565 g / 1 lb 4 oz
		Accessories	USB cable, CD-ROM, Owner's Manual

* 0 dBu = 0.775 Vrms

The specifications are subject to change without notice. For latest specifications, visit us online at www.Roland.com

	Once a musical instrument generates sound vibrations, it reaches the human ear through various mediating objects, each of which significantly affects the sound. The material and configuration of the instrument, the electric/magnetic amplifying system, the air and the reverberation of the room all affect the final sound. Sound modeling, the latest DSP technology, "virtually" reconstructs these objects. Roland's breakthrough Composite Object Sound Modeling (COSM) uses the advantages of multiple modeling methods and succeeds in accurately emulating existing sounds, as well as producing sounds that have never before been created.
	Using V-LINK, musicians can "play" video from their electronic instrument - or even control a live video camera - when used with Edirol video products. With V-LINK, musicians have a powerful interface for realtime audio and video integration.
	The D BEAM Controller uses an infrared beam of light to send various controller changes depending on the function selected.
	FPT is a newly developed technology making MIDI transmission extraordinarily fast. In response to a regular flow of MIDI data, FPT optimizes the USB data transmission band building up to rapid MIDI transmission. With this technology, MIDI transmission becomes steadily faster and more efficient resulting in very low latency. FPT is compatible with the MIDI software sequencer of your choosing.
	GM2 (General MIDI System Level 2) is a set of standards for editing voices not covered by GM1. GM2 also defines the operation specifications of effects and other elements in detail, and enables more sophisticated performance expression and greater compatibility by expanding the range of voices.